

## Declaration and Power of Attorney

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

Fluid Delivery System for generating pressurized hot water pulse,  
the specification of which

(check one) ☒ is attached hereto

\_\_\_\_\_ was filed on \_\_\_\_\_ as

Application Serial No. \_\_\_\_\_

and was amended on \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above specified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, S1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, S119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

Priority Claimed

\_\_\_\_\_  
(Number) (Country) (Day/Month/Year Filed)

\_\_\_ Yes \_\_\_ No

\_\_\_\_\_  
(Number) (Country) (Day/Month/Year Filed)

\_\_\_ Yes \_\_\_ No

I hereby claim the benefit under Title 35, United States Code, S120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, S112, I acknowledge the duty to

disclose material information as defined in Title 37, Code of Federal Regulations, S1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application.

\_\_\_\_\_  
(Application Serial No.) (Filing Date) (Status - patented, pending,

\_\_\_\_\_  
(Application Serial No.) (Filing Date) (Status - patented, pending,  
abandoned)

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorneys:

No attorney is appointed  
full powers of substitution and revocation, and; \_\_\_\_\_

\_\_\_\_\_ to prosecute this application and transact all business in the United States Patent and Trademark Office connected therewith.

SEND CORRESPONDENCE TO: Edward Z. Cai, 4607 SE Autumn CT, Camas, WA 98607  
DIRECT TELEPHONE CALLS TO: 360.833.9822

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

- 1) Full name of sole or first inventor Edward Z. Cai  
Inventor's signature [Signature] Date 10/24/03  
Residence 4607 SE Autumn CT, Camas, WA 98607 Citizenship USA  
Post Office Address \_\_\_\_\_
- 2) Full name of second joint inventor, if any \_\_\_\_\_  
Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_  
Residence \_\_\_\_\_ Citizenship \_\_\_\_\_  
Post Office Address \_\_\_\_\_

(Supply similar information and signature for third and subsequent joint inventors)

VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL  
ENTITY STATUS (37 CFR 1.9(f) and 1.27(b)- Independent Inventor  
As a below named inventor, I hereby declare that I qualify as an  
independent inventor as defined in 37 CFR 1.9(c) for purposes of  
paying reduced fees under section 41(a) and (b) of Title 35, United  
States Code, to the Patent and Trademark Office with regard to the  
invention entitled Fluid Delivery System for generating pressurized hot water pulses  
☒ the specification filed herewith  
☐ application serial no. \_\_\_\_\_, filed \_\_\_\_\_

I have not assigned, granted, conveyed or licensed and am under no  
obligation under contract or law to assign, grant, convey or license,  
any rights in the invention to any person who could not be classified  
as an independent inventor under 37 CFR 1.9(c) if that person had  
made the invention, or to any concern which would not qualify as a  
small business concern under 37 CFR 1.9(d) or a nonprofit  
organization under 37 CFR 1.9(e).

Each person, concern, or organization to which I have assigned,  
granted, conveyed, or licensed or am under an obligation under  
contract or law to assign, grant, convey, or license any right in the in-  
vention is listed below:

☒ no such person, concern, or organization  
☐ persons, concerns or organizations listed below\*

\*Note: Separate verified statement are required from each  
named person, concern or organization having rights to the invention  
averring to their status as small entities. (37 CFR 1.27)

FULL NAME \_\_\_\_\_  
ADDRESS \_\_\_\_\_

☐ Individual    ☐ small business    ☐ nonprofit organization

I acknowledge the duty to file, in this application or patent,  
notification of any change in status resulting in loss of entitlement to  
small entity status prior to paying, or at the time of paying, the  
earliest of the issue fee or any maintenance fees due after the date  
on which status as a small entity is not longer appropriate. (37 CFR  
1.28 (b)).

I hereby declare that all statements made herein of my own  
knowledge are true and that all statements made on information and  
belief are believed to be true; and further that these statements

were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

NAME OF INVENTOR

Edward Z. Carr

SIGNATURE OF INVENTOR

[Signature]

DATE

Oct. 24, 2003